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Claims:

1. An aircraft landing gear door assembly including a plurality of doors moveable between open positions, in which landing gear can be deployed through an aperture, and closed positions, in which the doors are closed across the aperture, the plurality of doors including a first door mounted for rotational movement between closed and open positions about a first generally longitudinal axis and a transverse door mounted for rotational movement between closed and open positions about a generally horizontal axis that is transverse to the first generally longitudinal axis.
2. An assembly according to claim 1, in which the first door is mounted for fixed-axis rotational movement about the first generally longitudinal axis.
3. An assembly according to claim 1 or 2, in which the transverse door is mounted for fixed-axis rotational movement about the transverse generally horizontal axis.
4. An assembly according to any preceding claim, further including a linkage mechanism and a prime mover, the linkage mechanism connecting the plurality of doors to the prime mover such that the prime mover is effective to operate all the plurality of doors.
5. An assembly according to claim 4, in which the prime mover comprises a linear actuator, one stroke of the actuator in one direction being effective to move the doors from the closed positions to the open positions and one stroke of the actuator in the opposite direction being effective to move the doors from the open positions to the closed positions.
6. An assembly according to any preceding claim in which the transverse door is disposed at least mostly above the aperture in its open position.
7. An assembly according to any preceding claim, in which the transverse door is aft of the first door.
8. An assembly according to any preceding claim, in which the plurality of doors include a second door moveable between closed and open positions, the second door being adjacent to the first door in the closed positions of the doors,

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the first door being so mounted that its rotational movement from its closed position to its open position involves movement of at least part of the first door through space which is occupied by the second door in its closed position and vacated by the second door in its open position.

5 9. An assembly according to claim 8, in which the second door is mounted for fixed-axis rotational movement about a second generally longitudinal axis.

10. An assembly according to claim 8 or 9, in which the first generally longitudinal axis is disposed at a location vertically spaced above the level of the aperture.

10 11. An assembly according to claim 10, in which the first generally longitudinal axis is disposed in a region overlying the locations of adjacent edges of the first and second doors when they are closed.

12. An assembly according to any preceding claim, in which the plurality of doors include a third door mounted for rotational movement between closed and open positions about a third generally longitudinal axis, the first and third doors  
15 defining a pair of doors on opposite sides of the aperture.

13. An assembly according to claim 12, in which the plurality of doors include a fourth door moveable between closed and open positions, the fourth door being adjacent to the third door in the closed positions of the doors, the third  
20 door being so mounted that its rotational movement from its closed position to its open position involves movement of at least part of the first door through space which is occupied by the fourth door in its closed position and vacated by the fourth door in its open position.

14. An assembly according to claim 13, in which the third door is mounted for  
25 fixed-axis rotational movement about a third generally longitudinal axis.

15. An assembly according to claim 13 or 14, in which the third generally longitudinal axis is disposed at a location vertically spaced above the level of the aperture.

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16. An assembly according to claim 15, in which the third generally longitudinal axis is disposed in a region overlying the locations of adjacent edges of the third and fourth doors when they are closed.
17. An assembly according to any of claims 13 to 16, in which the fourth door  
5 is mounted for fixed-axis rotational movement about a fourth generally longitudinal axis.
18. An aircraft landing gear door assembly substantially as herein described.
19. An aircraft including a landing gear door assembly according to any preceding claim.
- 10 20. An aircraft according to claim 19, including a further landing gear which when deployed is adjacent to one end of the first door when in its open position, the transverse door being disposed adjacent to said one end of the first door when the doors are in their closed position.